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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EL/2-22992	FOR FURTHER ACTION as we	see Form PCT/ISA/220 ell as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/053111	26/11/2004	05/12/2003
Applicant CIBA SPECIALTY CHEMICALS I	HOLDING INC.	
according to Article 18. A copy is being tra		thority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of9 sheets. a copy of each prior art document cited in this	s report.
language in which it was filed, unli	nternational search was carried out on the ba	
this Authority (Rui	e 23.1(b)).	lation of the international application furnished to I in the international application, see Box No. I.
	nd unsearchable (See Box II).	
3. Unity of invention is lack	king (see Box III).	
4. With regard to the title,		
x the text is approved as sub	omitted by the applicant.	
the text has been establish	ned by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as sub	• • •	
the text has been establish may, within one month fron	ed, according to Rule 38.2(b), by this Authorit the date of mailing of this international searc	y as it appears in Box No. IV. The applicant characteristics to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pul	blished with the abstract is Figure No.	· · · · · · · · · · · · · · · · · · ·
as suggested by the		
	Authority, because the applicant failed to sugg	-
. —	Authority, because this figure better character	rizes the invention.
b none of the figures is to be	published with the abstract.	

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D249/22 C07D249/20

H05B33/14 H01L51/20

C07F5/04

CO7D405/14

C09K11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C09K H05B CO7F IPC 7 CO7D H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/105538 A (CIBA SPECIALTY CHEMICALS HOLDING INC.) 18 December 2003 (2003-12-18) claims 1-10	1-4,6-13
X	US 4 533 612 A (H. EILINGSFELD ET AL.) 6 August 1985 (1985-08-06) cited in the application claims 1-14	1-4,6-13
Y	EP 0 866 110 A (TOYO INK MANUFACTURING CO., LTD.) 23 September 1998 (1998-09-23) cited in the application claims 1-10	1-4,6-13

Patent family members are listed in annex.

Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

DZ 09. 2005

"&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search

9 May 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016

Authorized officer

Herz, C

Form PCT/ISA/210 (second sheet) (January 2004)

ategory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
yoij	The state of the s	THOROTON TO GIGHT TAY.
X	US 5 518 824 A (D. FUNHOFF ET AL.) 21 May 1996 (1996-05-21) cited in the application columns 5-9; claims 1-20; example 2	1-4,6-13
X	US 5 104 740 A (M. SHINKAI ET AL.) 14 April 1992 (1992-04-14) cited in the application claim 4	1-4,6-13
X	EP 0 418 385 A (SHIONOGI & CO., LTD.) 27 March 1991 (1991-03-27) claims 1,2	1-4,6-13
Y	US 5 116 708 A (Y. SHIKATANI ET AL.) 26 May 1992 (1992-05-26) cited in the application column 4, line 30	1-4,6-13
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327512 Database accession no. 286124,23014 abstract & CHMATAL ET AL.: COLLECT. CZECH. CHEM. COMMUN., vol. 24, 1959, page 494,	1-4,6-9
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327513 Database accession no. 310010 abstract & CRIPPA ET AL.: GAZZ. CHIM. ITAL., vol. 57, 1927, page 753,	1-4,6-9
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C.(Continuation) DOCI	JMENTS CONSIDERED TO BE RELEVANT	
	document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
BEIL CHEM MAIN XPOO Data abst & EL	BASE BEILSTEIN 'Online! STEIN INSTITUT ZUR FÖRDERUNG DER ISCHEN WISSENSCHAFTEN, FRANKFURT AM , DE; 2327515 base accession no. 167844 ract BS: J. PRAKT. CHEM., <2>, 108, 1924, page 223,	1-4,6-9
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_ <u>`</u>	n) DOCUMENTS CONSIDERED TO BE RELEVANT itation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327520 Database accession no. 25415 abstract & JOSHI, GUPTA: J. INDIAN CHEM. SOC., vol. 35, 1958, page 681,	1-4,6-9
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Calegory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
·	chairen di decement, minimune canoni, minimune appropriate, or me relevant passages	nelevani to ciaim No.
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327525 Database accession no. 554478 abstract & O. IWAMOTO: YUKI GOSEI KAGAKU KYOKAISHI, vol. 23, 1965, page 51,	1-4,6-9
X	P. LOPEZ-ALVARODO ET AL.: "New Synthetic Applications of Aryllaed Triacetates. N-Arylation of Azoles" J. ORG. CHEM., vol. 60, no. 17, 1995, pages 5678-5682, XP002327511 *Scheme 1 - compound of formula 11 *	1-4,6-9
X	G. YASUDA, H. KIMOTO: "Substitution Reactions of Phenanthro'9,10-d!triazole with Benzyl Chlorides" J. HETEROCYCL. CHEM., vol. 35, 1998, pages 365-369, XP002327533 * Compounds of formula 2 *	1-4,6-9

INTERNATIONAL SEARCH REPORT

Box II Observations where certa	
This International Search Report has no	ot been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject	matter not required to be searched by this Authority, namely:
	the International Application that do not comply with the prescribed requirements to such iternational Search can be carried out, specifically:
3. Claims Nos.: because they are dependent cl	laims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity	of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority fo	ound multiple inventions in this international application, as follows:
see additional she	et
As all required additional searchable claims.	h fees were timely paid by the applicant, this International Search Report covers all
2. As all searchable claims could of any additional fee.	be searched without effort justifying an additional fee, this Authority did not invite payment
3. As only some of the required accovers only those claims for wh	dditional search fees were timely paid by the applicant, this International Search Report nich fees were paid, specifically claims Nos.:
4. No required additional search for restricted to the invention first n	ees were timely paid by the applicant. Consequently, this International Search Report is nentioned in the claims; it is covered by claims Nos.:
restricted to the invention first n	nentioned in the claims; it is covered by claims Nos.: 6 (part), 7 (part), 8, 9, 10 (part), 11 (part)
restricted to the invention first n 1-3 (all.part), 4,	nentioned in the claims; it is covered by claims Nos.: 6 (part), 7 (part), 8, 9, 10 (part), 11 (part)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

- 1. claims: 1-3 (all part), 4, 6 (part), 7 (part), 8, 9, 10 (part), 11 (part), 12 (part), 13 (part)
 - 2H-Benzotriazole compounds of formula I
- 2. claims: 1-3 (all part), 5, 6 (part), 7 (part), 10 (part), 11 (part), 12 (part), 13 (part)
 - 2H-Benzotriazole compounds of formula II

以下がずるとは、

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/053111

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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